

### **Formative Assessment Modules**

- Module 1: Overview of Formative Assessment
- Module 2: Assessment Systems
- Module 3: Learning Progressions and Learning Goals
- Module 4: Planning Formative Assessment
- Module 5: Differentiating Instruction
- Module 6: Feedback
- Module 7: Student involvement
- Module 8: Changes in Practice

### **Module Objectives**

- ✓ Learn about the experiences of Montana teachers in implementing formative assessment
- ✓ Gain an understanding of comprehensive assessment systems
- ✓ Learn about the relationship between the use of assessment for formative and summative purposes

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### **Overview**

- ✓ Montana Teachers' Experience
- ✓ A System of Assessment
- ✓ Assessment Quality
- ✓ Making Sense of Assessment Data
- √ Teachers Using Assessment Data
- ✓ What Did We Learn from the Teachers

"Cheshire ...," Alice began rather timidly, "would you tell me please, which way I ought to go from here?"

"That all depends a good deal on where you want to get to," said the Cat.

**Lewis Carroll** 



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"Cheshire ...," Alice began rather timidly, "would you tell me please, which way I ought to go from here?"

"That all depends a good deal on what *the data tell you*," said the Cat.



# Poll: Ten Statements about Assessment: True or False?

- ☐ An individual test can be used for several different purpose
- Summative assessments are used to measure what students have learned after a phase of learning
- Reliability refers to how consistently an assessment measures what it is intended to measure
- It is a good idea if assessments are aligned to learning goals, but it is not necessary
- Formative assessment is more frequent than summative assessment

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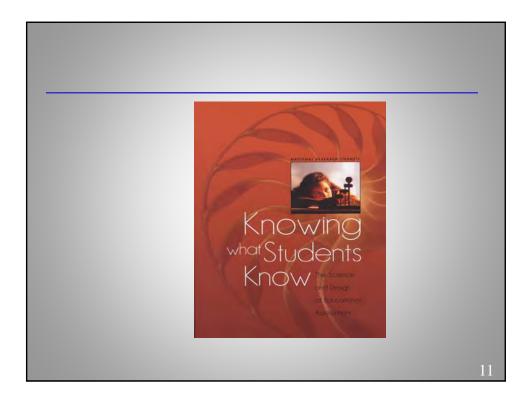
## Poll: Ten Statements about Assessment: True or False?

- ☐ Tests that cover a whole year's worth of instructional goals are the most sensitive measures of progress
- High-stakes tests must be valid, reliable, free from bias, and usable
- Assessment quality is not an important issue in formative assessment because they are not high-stakes tests
- Not all students have to be assessed in formative assessment at the same time
- No action should be taken on the basis of the results of one assessment

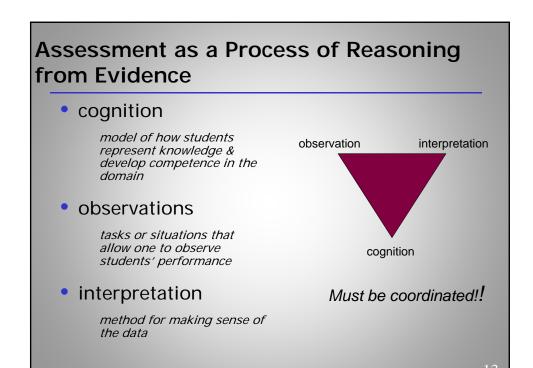
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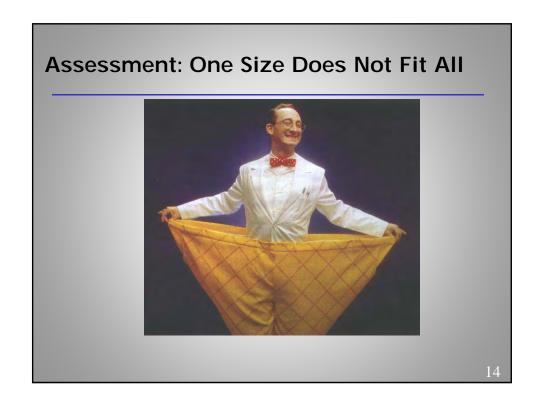
A System of Assessment

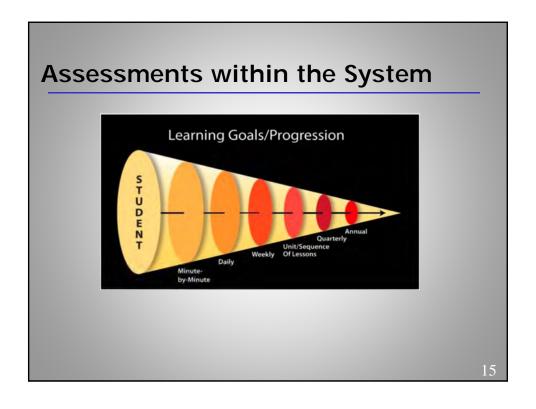




- A coherent assessment system is built on a wellstructured conceptual base – an expected learning progression, which serves as the foundation of all assessments
- A comprehensive assessment system "provides a variety of evidence to support educational decision making" (p. 259)
- A continuous assessment system provides "indications of student growth over time" (p. 259)







# Assessment Quality

### **Appropriate to Purpose**

•Do these data come from assessments that are appropriate to purpose?

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### Validity

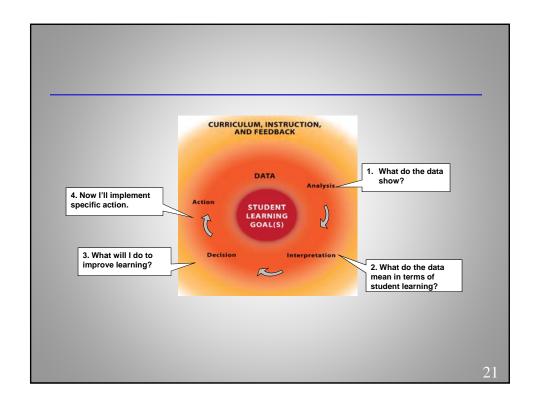
- •Validity is the key issue in educational measurement
- •Validity is always related to a specific use of the assessment or the interpretation of the data yielded by the assessment
- •Is the assessment measuring what it is intended to measure, and can well serve the intended purpose?

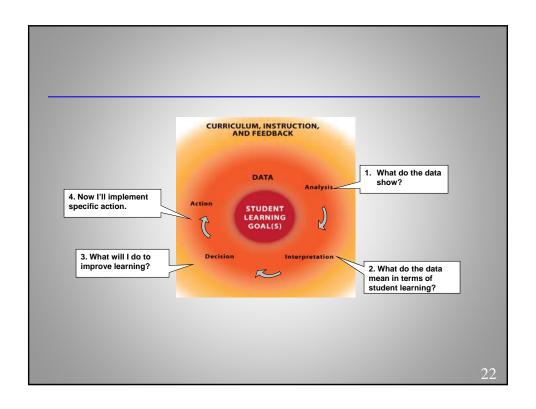
### Reliability

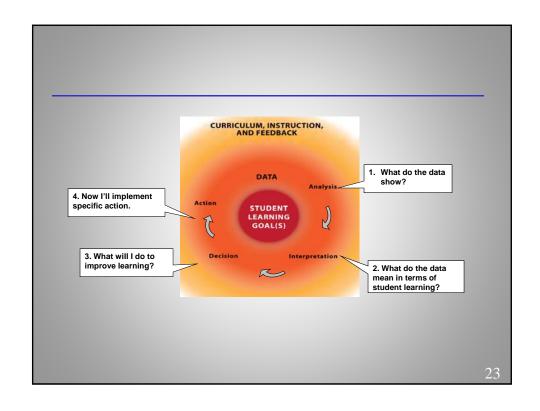
- •Reliability refers to how consistently an assessment measures what it is intended to measure
- •If a test is reliable, the results should be repeatable
- Reliability is necessary for assessment validity

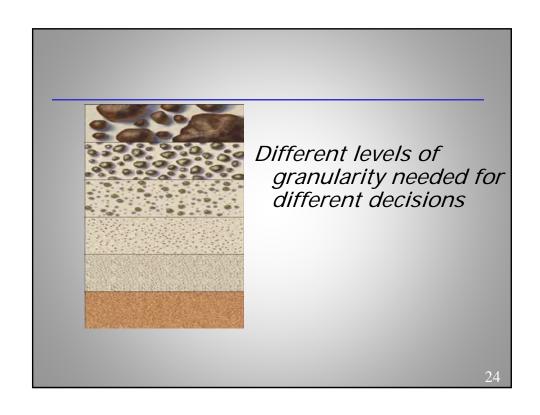
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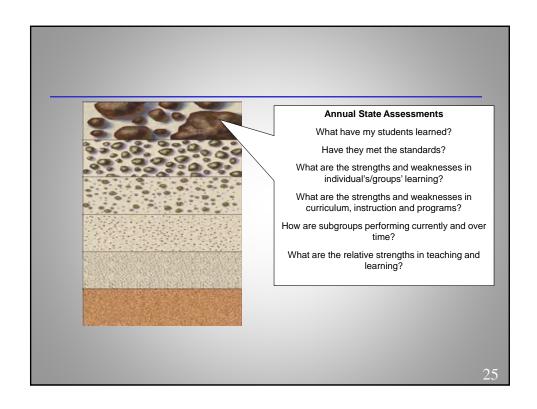
Making Sense of the Data

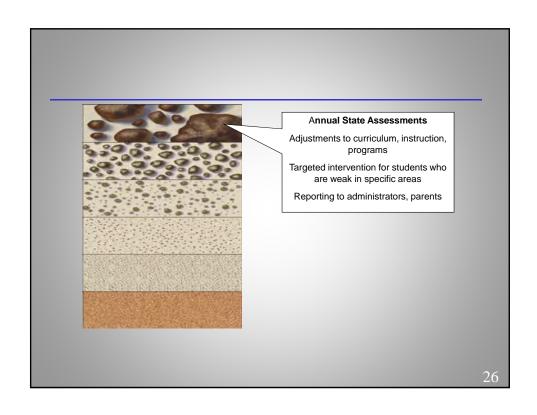


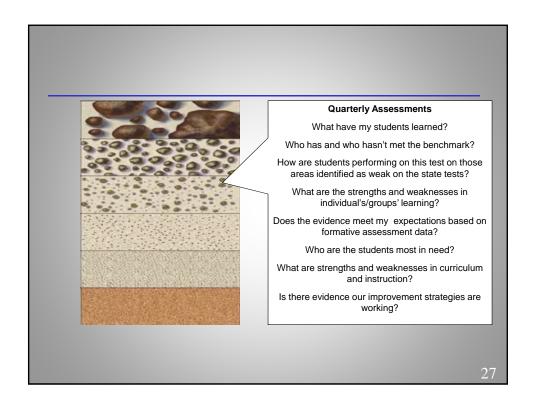


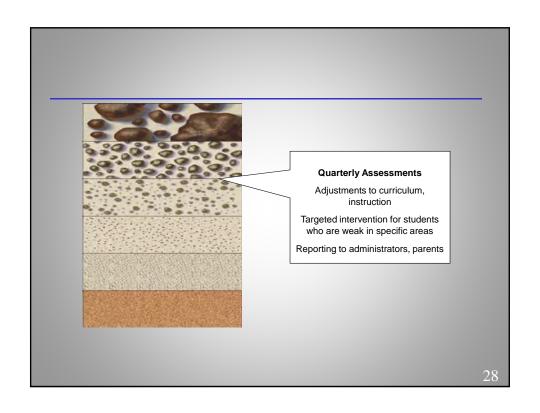


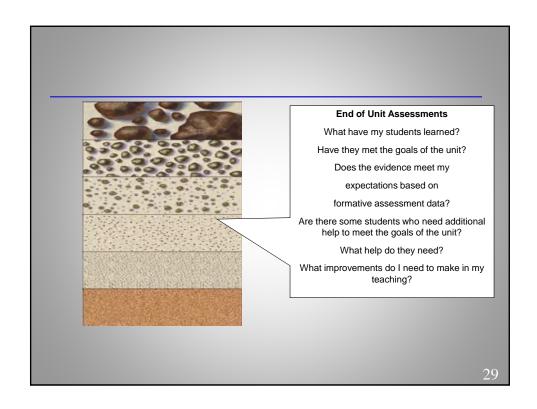


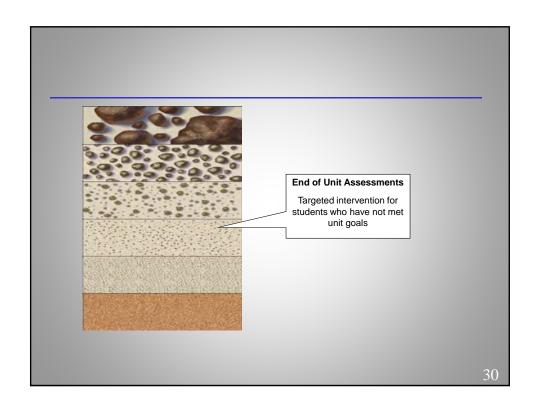


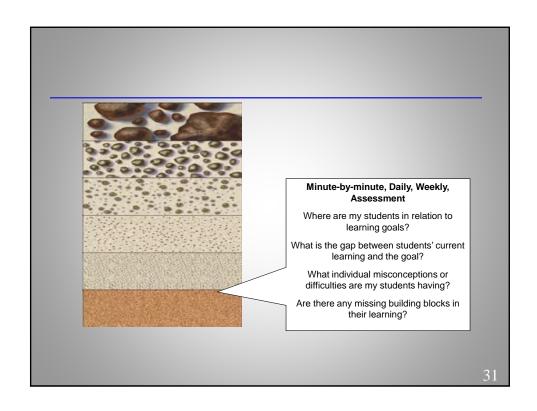


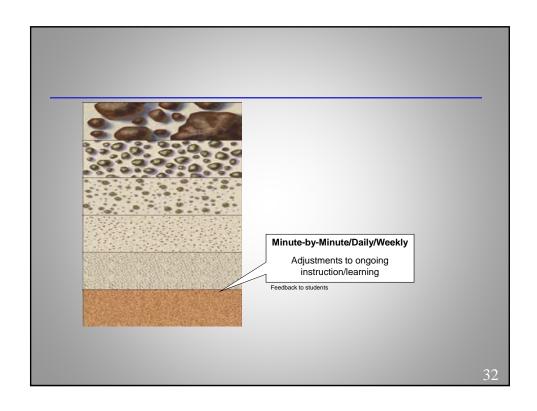












# Questions/Comments?

Teachers Using Assessment

### **Annual State Assessments**



- "How well did this year's third grade students perform on the statewide reading assessment?"
- Half their incoming fourthgrade students scored in the advanced and proficient categories for reading, and half scored in the basic and below basic categories.
- Looked at performance on subscales

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### **Third Grade Teachers**

"What are the strengths and weaknesses in curriculum and instruction?"

"How can I improve my teaching?"



Quarterly district reading inventory:

"Do the same patterns show up as we see on the state test subscales?"

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- Same process for their own classes
- Shared their findings at the following grade-level meeting a week later
- In general the individual class findings reflected those of the grade level

### Poll: True or False?

- ■The teachers have been using formative assessment
- ■The teachers have been using summative assessment
- ☐ The teachers have been getting corroborating evidence of achievement
- ☐ Teachers have been making inferences from one measure of acheivment

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### Elicit prior knowledge

- ➤ Visualization draw pictures and diagrams of their understanding of their ideas in text with explanations
- >Summarize tell the most important ideas in two or three sentences
- Write or tell what they already know from the text and writing or telling some questions that still need to be answered in the subsequent text
- Read a passage and infer two things that were not explicitly stated in the text: Explain the reasons for their inferences

### Validity and Reliability



- •Corroborate the information about the students' skills
- •Value of data from multiple measures for decision-making
- •Multiple measures increase the validity and reliability of the teachers' interpretations

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### **Continued Assessment**



✓ Same strategies to give them fine-grained data to guide on-going teaching and learning

### **School-wide Reading Inventory**

What have my students learned?

Who has and who hasn't met the benchmark?

How are students performing on those areas identified as weak on the state tests?

What are the strengths and weaknesses in individual's/groups' learning?

Does the evidence meet my expectations based on formative assessment data?

Who are the students most in need?

What are strengths and weaknesses in curriculum and instruction?

Is there evidence our teaching strategies are working?

 $\Delta$ ?

### **End of the Year**



What Did We Learn?

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### What Did We Learn?

### Data use matters:

 The teachers worked together, analyzing data with the goal of taking action to improve student learning. They collaborated to plan the curriculum and instructional practices, and they learned from each other about what works.

### What Did We Learn?

### One size does not fit all:

 The fourth-grade teachers used a variety of assessments to gauge student learning. Each of the assessments had a different purpose, ranging from assessments to determine proficiency levels (have my students met the standards?), to indicate progress (are my students making progress?) and to guide day-to-day instruction (how do I keep learning moving forward?)

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### What Did We Learn?

### Data use is ongoing:

For these teachers data use is not a single event.
Rather, it is a coordinated and systematic approach
for analyzing different sources of data to improve
learning. Particularly important is the use of finegrained formative data to guide ongoing teaching
and learning.

**Questions/Comments?** 

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Montana Teachers Talk about their Experience with Formative Assessment

### **Montana Teachers**

- Anne Keith
- Karma Nelson
- Kim Komar

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### **Questions/Comments?**

### Poll: Check Your Learning

On a scale of 1-5 rate the degree to which you think you have met today's objectives (1 is not at all – 5 is to a great extent):

- ☐ Gain an understanding of comprehensive assessment systems
- Learn about the relationship between the use of assessment for formative and summative purposes
- Learn about the experiences of Montana teachers in implementing formative assessment

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### Thank You!

